

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hirokazu HONDA

Title: METHOD OF MANUFACTURING A FLIP-CHIP
SEMICONDUCTOR DEVICE WITH A STRESS-ABSORBING
LAYER MADE OF THERMOSETTING RESIN

Appl. No.: Unassigned

Filing Date: October 17, 2003

Examiner: Unassigned

Art Unit: 2824

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop PATENT APPLICATION
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Applicant submits herewith on Form PTO/SB/08 a listing of the documents cited by or submitted to the U.S. PTO in parent application Serial No. 09/704,521, filed 11/03/2000. As provided in 37 CFR §1.98(d), copies of the documents are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified parent application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

RELEVANCE OF EACH DOCUMENT

The relevance of the documents is explained in the parent application.

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date: October 17, 2003

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By Phillip J. Articola

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38,819

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Attorney for Applicant
Registration No. 26,257

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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: October 17, 2003

(use as many sheets as necessary)

Complete if Known

Application Number	Unassigned
Filing Date	October 17, 2003
First Named Inventor	Hirokazu HONDA
Group Art Unit	2824
Examiner Name	Unassigned
Attorney Docket Number	067123-0195

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of

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	6,153,448		TAKAHASHI et al.	09-06-2001	
	A2	5,998,861		HIRUTA	12-02-1999	
	A3	5,977,641		TAKAHASHI et al.	11-02-1999	
	A4	5,736,790		IYOGI et al.	04-07-1998	
	A5	5,677,576		AKAGAWA	10-14-1997	
	A6	5,682,061		KHANDROS et al.	10-28-1997	
	A7	2001/0018986		NAGAI et al.	09-06-2001	
	A8	2001/0013425		ROKUGAWA et al.	08-16-2001	
	A9	2001/0004134		SAITO	06-21-2001	
	A10	5,683,942		KATA et al.	11-04-1997	
	A11	6,344,696	B2	NAKAMURA	02-05-2002	
	A12	2001/0035586	A1	NAKAMURA	11-01-2001	
	A13	2002/0068383	A1	NAKAMURA	06-06-2002	
	A14	5,074,947		ESTES et al.	12-24-1991	
	A15	5,237,130		KULESZA et al.	08-17-1993	
	A16	5,998,861		HIRUTA	12-07-1999	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A17	EP	1 043 922	A1	IBIDEN CO., LTD.	10-11-2000		
	A18	WO	99/17352	A1	PARTNERSHIPS LIMITED, INC.	04-08-1999		
	A19	EP	1 128 431	A2	NEC CORPORATION	08-29-2001		
	A20	WO	98/25297	A1	SEIKO EPSON CORPORATION	06-11-1998		
	A21	JP	2001-24021		HITACHI LTD.	01-26-2001		
	A22	JP	5-275489		HITACHI LTD.	10-22-1993		
	A23	JP	8-330355		SHINKO ELECTRIC IND. CO. LTD.	12-13-1996		
	A24	JP	8-37253		MITSUBISHI ELECTRIC CORP.	02-06-1996		
	A25	JP	9-148334		TOSHIBA CORP.	06-06-1997		
	A26	JP	3-119737		FUJITSU LTD.	05-22-1991		
	A27	JP	10-313074		TOSHIBA CORP.	11-24-1998		
	A28	JP	11-097578		HITACH LTD.	04-09-1999		
	A29	JP	11-224885		MATSUSHITA ELECTRON CORP.	08-17-1999		
	A30	JP	11-111896		NEC CORPORATION	04-23-1999		

Examiner
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Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A31	JP	06-302604		MITSUBISHI ELECTRIC CORP.	10-28-1994		
	A32	JP	2000-349197		MATSUSHITA ELECTRIC CO., LTD.	12-15-2000		
	A33	JP	2000-174052		IBIDEN CO. LTD.	06-23-2000		
	A34	JP	08-330313		SHINKO ELECTRIC IND. CO., LTD.	12-13-1996		
	A35	JP	2001-028379		ASAHI CHEM IND. CO. LTD.	10-30-2001		
	A36	JP	2000-269256		HITACHI LTD.	09-29-2000		
	A37	JP	10-303327		YAMAICHI ELECTRON CO., LTD.	11-13-1998		
	A38	WO	99/18609		MINNESOTA MINING AND MANUFACTURING COMPANY	04-15-1999		
	A39	JP	5-503191		EPOXY TECHNOLOGY INC.	05-27-1993		
	A40	JP	09-092685		TOSHIBA KK	04-04-1997		
	A41	JP	11-040613	A	SHINKO ELECTRIC IND. CO. LTD.	02-12-1999		
	A42	JP	11-074309	A	TOSHIBA CORP.	03-16-1999		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A43	AMAMI et al., "Advanced MCM-Ls for Consumer Electronics," IEMT/IMC Proceeding, pp. 249-254, Matsushita Electric Industrial Co., Ltd. 1998.	
	A44	KOJI MATSUI et al., "Resin and Flexible Metal Bumps for Chip-on-Glass Technology," Electronic Components and Tech. Conf., 1993 Proceedings, 43 rd , IEEE, Material Development Center, Color LCD Division, NEC Corporation.	

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